

EV9830

The EV9830 Evaluation Kit allows evaluation of the CMX983 Baseband Interface for Digital Radio.

Features

- External VCO connection option to both fractional-N synthesisers
- 900MHz and 2.1GHz VCOs fitted
- Access to RF, control and baseband signals via connectors and test points
- On-board supply regulators operate from a dual $\pm 6V$ supply
- Command and control by PC via the PE0003 Universal Interface Card or user's microcontroller development application or emulator
- 19.2MHz oscillator or external clock input to CMX983
- Differential to single-ended instrumentation interfaces
- On-board access to all CMX983 signals, commands and data

Supply Requirement

- Dual $\pm 6V$

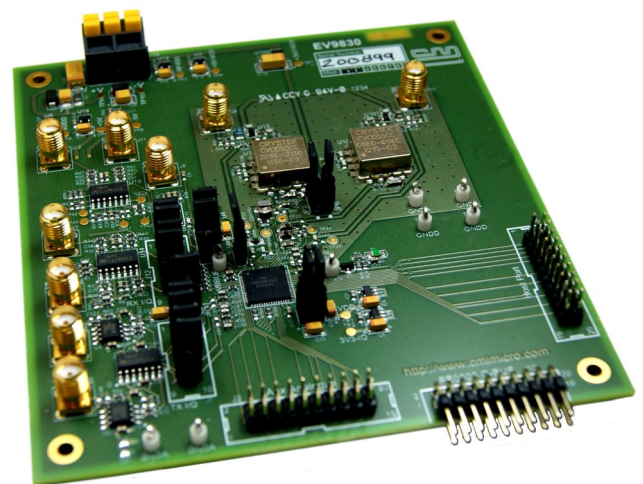
For further information, please refer to the 'Design Resources' section on the CMX983 product page at cmlmicro.com

For evaluation of the Fractional-N synthesisers, a 900MHz VCO is fitted with connections to synthesiser 1 and a 2.1GHz VCO is fitted with connections to synthesiser 2. Test pads are also provided for connection to an external VCO.

An instrumentation interface with single-ended signal connections to differential baseband I/Q connections on the CMX983 is provided to allow easy connection of proprietary test equipment.

The board also incorporates all of the necessary power supply regulation facilities for operation from a dual $\pm 6V$ supply.

The board is fitted with a C-BUS connector allowing the EV9830 to be operated by connection to either of the two C-BUS ports on a CML PE0003 Universal Interface card used with the associated PC GUI software. A separate 'host' header is provided with both C-BUS and fast serial port connections.



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